



Thaddeus Stevens
College of Technology

Articulation Agreement

between

Thaddeus Stevens College of Technology

and

Franklin County Career and Technology Center
2463 Loop Road, Chambersburg, Pennsylvania
17202
Building Construction Trades

10/18/2022

Articulation Agreement
Between Thaddeus Stevens College of Technology
Residential Remodeling Technology
and
Franklin County Career and Technology Center
2463 Loop Road, Chambersburg, Pennsylvania 17202
Building Construction Trades

Rationale

Thaddeus Stevens College of Technology (TSCT) articulates with Pennsylvania secondary schools to provide appropriate advanced placement status for qualified students. The agreement assumes that identified high school students have obtained certain college level competencies in the relevant curriculum. Stevens faculty and administration work with the faculty and administration of the collaborating secondary schools to ensure the students both are qualified and receive credit for appropriate college courses in their transition from high school to the college.

This program allows high school students to start working toward an associate degree before they enroll in TSCT. A goal of the Articulation Agreement is to provide a seamless career pathway for Pennsylvania secondary school students to earn an Associate of Applied Science (AAS) degree in their technological field. It is designed to improve the supply of potential employees to fill jobs that have been or will be created or made more technically advanced. An advantage for students who decide to take this educational opportunity is that they are completing courses that are relevant to their career earlier in their educational process. Graduates of the program will enjoy increased career flexibility with their AAS degree.

Term of Agreement

This agreement is adopted beginning on 10/10/2022. The agreement will be reviewed as needed by each institution.

Terms and Conditions

In this agreement, *Residential Remodeling Technology* articulates with *Franklin County Career and Technology Center Building Construction Trades* to offer advanced placement status in the *Residential Remodeling Technology* - to FCCTC students who have achieved college level competencies, through their performance in the *Building Construction Trades Program* at Franklin County Career and Technology Center.

Franklin County Career and Technology Center graduates who have successfully completed the specific tasks identified on the tasks grid (Appendix I) and the specified performance measures of the *Building Construction Trades NOCTI* will be eligible to receive advanced credit for the following courses at Thaddeus Stevens College of Technology:

Course Number	Course Title	Credits
<i>RMDL 106</i>	<i>Remodeling Hand and Power Tools</i>	3
<i>CARP 182</i>	<i>Blueprint Reading</i>	3
<i>RMDL 111</i>	<i>Building Materials</i>	3

Total Credits: 9

Student Eligibility Guidelines

1. TSCT will award up to 9 for *RMDL 106*, *RMDL 111*, *CARP 182* out of the 70 required for the program of study.
 - a. Credit will be awarded upon *Building Construction Trades NOCTI* by *Franklin County Career and Technology Center*
 - b. Credit will be awarded upon signed verification by *Franklin County Career and Technology Center* instructor Eric Wagaman and student of completed tasks and skills identified in the task grid (Appendix I)

Admissions Practices Guidelines

2. Students must have a school GPA of a 2.0 or higher to be considered for admission.
3. Students must submit documentation demonstrating the required knowledge, skills, and competencies in *Residential Remodeling Technology*
4. Students must maintain a minimum grade of 80% in all relevant courses identified in the agreement.
5. After completing *Franklin County Career and Technology Center's* Building Construction Trades program and graduation requirements students would be able to apply to TSCT for *Residential Remodeling Technology* within a 5 – year period following high school graduation.
6. Students should submit a letter of recommendation as part of the TSCT application from an instructor at *Franklin County Career and Technology Center* in *Building Construction Trades*
7. Students should complete the FAFSA to be eligible for financial aid

Institutional Guidelines

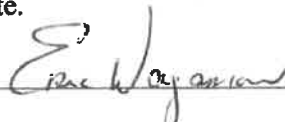
8. TSCT and *Franklin County Career and Technology Center* agree that each entity will develop and implement coordinated advertising and promotion to communicate benefits of the articulation agreement.
9. TSCT and *Franklin County Career and Technology Center* will ensure the appropriate institutional personnel including but not limited to admissions staff, counselors, career planning officers, career placement officers, administrators, faculty, and staff are aware of and able to support the articulation agreement.
10. In accordance with the Family Educational Rights and Privacy Act (FERPA) TSCT and *Franklin County Career and Technology Center* agree to exchange data relevant to the agreement to

support the maintenance and improvement of the agreement, enhance the transfer process, promote effective cooperation, and ensure student success.

Authorization of Agreement

This agreement is entered into as of this 10/18/2022 by and between the Thaddeus Stevens College of Technology, Lancaster Pennsylvania, and the *Franklin County Career and Technology Center*, 2463 Loop Road Chambersburg, Pennsylvania. The parties have caused this Articulation Agreement to be executed by their duly authorized officers on this date.

Pennsylvania Secondary School Faculty Member _____



*Instructor, Eric Wagaman
Franklin County Career and Technology Center*

Pennsylvania Secondary School Administrator _____



*Terry Miller,
Director, Franklin County Career and Technology Center*

TSCT Faculty Member _____

*Charlie T. Byers,
Instructor,
Residential Remodeling Technology*

TSCT Administrator _____

*Dr. Antonio Jackson,
Vice President of Academic Affairs*

This agreement shall prevail until such time as one of the institutions expresses a desire in writing to change the conditions set forth above.

<https://stevenscollege.edu/early-enrollment-reference-form--teacher/>

Competency Task List – Secondary Component
Construction Trades, Other CIP 46.9999
High School Graduation Years 2023, 2024, 2025

100 Construction Trades Safety

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
101	Follow Occupational Safety and Health Administration (OSHA) standards.		
102	Evaluate Safety Data Sheets (SDS).		
103	Work with hazardous materials.		
104	Use personal protective equipment (PPE).		
105	Follow rules and regulations for fire protection.		
106	Handle and store construction materials. RESERVED (107) RESERVED (108)		
109	Follow electrical safety procedures.		
110	Differentiate between stuck-by and caught-in-between hazards.		
111	Follow working from heights safety procedures.		
112	Follow excavation site safety procedures. RESERVED (113)		
114	Follow concrete and masonry safety procedures.		
115	Use ladders and scaffolding.		
116	Follow safety procedures working in confined spaces. RESERVED (117)		

200 Hand Tools

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
201	Use and maintain hand tools.		

- 202 Use and maintain layout and measuring tools.
- 203 Use and maintain cutting tools.
RESERVED (204)
- 205 Use and maintain fastening tools.
- 206 Use and maintain dismantling tools.

300 Power Tools and Equipment

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
301	Operate a circular saw.		
302	Operate battery and electric drills and drivers.		
303	Operate belt and hand sanders.		
304	Operate reciprocating and oscillating saws.		
305	Operate routers.		
306	Operate a pneumatic and battery-operated nailer.		
307	Operate a miter saw.		
308	Operate a table saw.		
309	Operate an electric planer.		
310	Operate a grinder. RESERVED (311)		

400 Plans and Blueprints

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
401	Interpret building codes, zoning regulations, and permits. RESERVED (402)		
403	Interpret plans, sketches, and blueprints.		
404	Interpret standard abbreviations and symbols.		
405	Estimate material from a print.		
406	Use an architect scale.		

- 407 Identify structural components.
- 408 Interpret Americans with Disabilities Act (ADA) regulations.
- 409 Identify mechanical fasteners, hangers and devices.

500 Site and Building Layout

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
501	Use a builder's level, transit, and/or laser level to determine site layout and building elevations.		
502	Square a structure using the Pythagorean Theorem and diagonals.		

600 Concrete

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
601	Use modern concrete materials.		
602	Determine appropriate concrete finishing processes and equipment.		
603	Estimate the amount of concrete needed for footers and slabs.		
604	Lay out and build concrete forms.		
605	Use equipment and tools for concrete.		
606	Prep and place concrete.		
607	Perform basic concrete finishing processes.		
608	Use tools to edge, groove, and cut concrete.		
609	Identify the uses of admixtures and sealers.		

700 Block and Brick Masonry

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
701	Identify common types of masonry units.		
702	Identify concrete block by size and type.		

- 703 Estimate masonry units needed for block construction.
- 704 Use masonry cutting techniques.
- 705 Lay out and construct a block laying project.
- 706 Perform masonry positions and bonds.
- 707 Lay block to a line.
- 708 Install masonry fasteners.
- 709 RESERVED
- 710 Mix mortar to proper proportions and consistency.
- 711 Compare mortar types and applications.
- 712 Perform proper brick and block laying techniques.
- 713 Install block or brick walls.

800 Floor Framing

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
801	Identify framing materials and systems.		
802	Install girders and sills.		
803	Perform layout of floor joists and openings.		
804	Install floor joists and band joists.		
805	Install bridging.		
806	Install columns and supports.		
807	Install subfloor materials.		
808	Estimate framing material and systems.		

900 Wall Framing

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
901	Install components of interior and exterior walls.		
902	Install ceiling systems.		
903	Install steel framing components.		

- 904 Identify framing materials and systems.
- 905 Estimate framing material and systems.

1000 Roof Framing

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1001	Identify framing materials and systems.		
1002	Install roof components for gable roofs.		
1003	Install roof trusses.		
1004	Install roof sheathing materials.		
	RESERVED (1005)		
1006	Calculate, layout, and cut roof rafters.		
1007	Estimate framing material and systems.		

1100 Roof Coverings

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1101	Install asphalt shingles.		
1102	Install underlayment materials.		
1103	Install flashing.		
1104	Identify roof covering materials and systems.		
1105	Estimate roof covering materials and systems.		

1200 Insulation Materials

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1201	Install insulation and ventilation.		
1202	Identify insulation and ventilation materials.		
1203	Estimate insulation and ventilation materials.		

1300 Exterior Finishes

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1301	Install horizontal sidings.		
1302	Install vertical sidings.		
	RESERVED (1303)		
1304	Identify exterior finish materials.		
1305	Install windows.		
1306	Install exterior doors.		
1307	Install soffit and fascia.		
1308	Install house wrap.		
1309	Estimate exterior finish materials.		

1400 Basic Plumbing

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1401	Use and maintain basic plumbing tools. RESERVED (1402)		
1403	Identify pipes and fittings. RESERVED (1404)		
1405	Install pipes, fittings, valves, and devices.		
1406	Install faucets and drain assemblies. RESERVED (1407) RESERVED (1408)		
1409	Install water supply systems.		
1410	Install drain, waste, and vent systems.		
1411	Install fixtures and equipment.		
1412	Troubleshoot and repair common plumbing problems.		
1413	Estimate pipes and fittings.		

1500 Residential Electric Circuits and Components

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1501	Practice electrical safety.		
1502	Apply the National Electric Code (NEC) to common residential installations.		
1503	Interpret electrical drawings.		
1504	Apply electrical theory.		
1505	Construct electrical circuits.		
1506	Install residential wire.		
1507	Use electrical tools.		
1508	Install ground fault circuit interrupters.		
1509	Install arc fault circuit interrupters.		
1510	Install over current protection devices.		
1511	Install electrical boxes. RESERVED (1512)		
1513	Install light fixtures.		
1514	Install receptacle circuits.		
1515	Install switch circuits.		
1516	Install a 220-volt circuit. RESERVED (1517)		
1518	Trim out and finish electrical circuits.		
1519	Install service entrance. RESERVED (1520) RESERVED (1521)		

1600 Wall Components

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1601	Install drywall.		

- 1602 Install interior moldings.
- 1603 Identify drywall materials.
- 1604 Identify interior moldings.
- 1605 Estimate drywall materials.
- 1606 Estimate interior moldings.

1700 Interior Finishes

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1701	Identify paints, stains, and their uses.		
1702	Apply paints and stains.		
1703	Clean painting tools.		
1705	Apply caulking.		
1706	Install ceramic tile.		
1707	Estimate paints and stains.		

1800 Stairways

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1801	Identify stairways and components.		
1802	Calculate, lay out, and cut stair stringers.		
1803	Install stairways and components.		

¹ Student Demonstrated Entry-Level Industry Proficiency as Indicated by (X)

Secondary CTE Instructor Signature _____ Date _____

Student Signature _____ Date _____

PA In-Demand Occupations List (PA IDOL)
 Industry-Recognized Credential Resource Guide